

What Is Claimed Is:

1 1. A computer-implemented method for enabling a user to remotely control
2 his media-based device and to access related information, the method comprising:
3 receiving a user request from the user; and
4 in response to the user request, initiating at least one application program
5 interface routine to retrieve from at least one database data
6 concerning the media-based device, the at least one database being
7 in communication with the media-based device through a network.

1 2. The method of claim 1, further comprising:
2 transmitting to the user information in accordance with the retrieved data.

1 3. The method of claim 1, wherein the user request is received at a web
2 server executing a web hosted application.

1 4. The method of claim 2, wherein the information in accordance with the
2 retrieved data is transmitted by a web server executing a web hosted application.

1 5. The method of claim 1, wherein the user request is in HTTP command
2 format.

1 6. The method of claim 2, wherein the information in accordance with the
2 retrieved data is transmitted in XML format.

1 7. The method of claim 1, wherein the data concerning the media-based
2 device comprises a channel line up corresponding to the media-based device.

1 8. The method of claim 7, wherein the data concerning the media-based
2 device further comprises an electronic program guide based on the media-based
3 device's channel line up within a specified period of time.

1 9. The method of claim 7, wherein the data concerning the media-based
2 device further comprises a list of shows within the media-based device's channel
3 lineup corresponding to certain value of at least one specified show attribute.

1 10. The method of claim 9, wherein the at least one specified show attribute
2 concerns show titles.

1 11. The method of claim 9, wherein the at least one specified show attribute
2 concerns actors.

1 12. The method of claim 9, wherein the at least one specified show attribute
2 concerns Motion Picture Association's movie ratings.

1 13. The method of claim 9, wherein the at least one specified show attribute
2 concerns show descriptions.

1 14. The method of claim 7, wherein the data concerning the media-based
2 device comprises values of show attributes of a specified show within the media-
3 based device's channel lineup.

1 15. The method of claim 1, wherein the data concerning the media-based
2 device comprises a list of shows recorded by the media-based device.

1 16. The method of claim 1, wherein the data concerning the media-based
2 device comprises a list of shows scheduled to be recorded by the media-based
3 device.

1 17. The method of claim 1, wherein the data concerning the media-based
2 device comprises a list of requests to the media-based device for recording
3 specified shows.

1 18. The method of claim 1, wherein the at least one database includes a box
2 profile database containing profile of the media-based device, the box profile
3 database being communicatively coupled with the media-based device.

1 19. The method of claim 1, wherein the at least one database includes a
2 electronic program guide database.

1 20. The method of claim 1, wherein the at least one database includes a box
2 transaction database containing information relating to shows recorded or
3 scheduled to be recorded by the media-based device, and relating to requests to
4 the media-based device for recording specified shows, the box transaction
5 database being communicatively coupled with the media-based device.

1 21. A computer-implemented method for enabling a user to remotely control
2 his media-based device and to access related information, the method comprising:

3 receiving a user request from the user; and
4 in response to the user request, initiating at least one application program
5 interface routine to store into at least one database instructions for
6 the media-based device, the at least one database being in
7 communication with the media-based device through a network.

1 22. The method of claim 21, further comprising:
2 transmitting to the user information in accordance with the stored
3 instructions.

1 23. The method of claim 21, wherein the user request is received at a web
2 server executing a web hosted application.

1 24. The method of claim 22, wherein the information in accordance with the
2 stored instructions is transmitted by a web server executing a web hosted
3 application.

1 25. The method of claim 21, wherein the user request is in HTTP command
2 format.

1 26. The method of claim 22, wherein the information in accordance with the
2 stored instructions is transmitted in XML format.

1 27. The method of claim 21, wherein the instructions for the media-based
2 device are instructions to record at least one specified show.

1 28. The method of claim 27, wherein the at least one specified show
2 comprises a specified number of episodes of a show.

1 29. The method of claim 27, wherein the at least one specified show
2 comprises a specified number of shows within the media-based device's channel
3 lineup corresponding to certain value of at least one specified show attribute.

1 30. The method of claim 21, wherein the instructions for the media-based
2 device are instructions to delete at least one previously recorded show.

1 31. The method of claim 21, wherein the instructions for the media-based
2 device are instructions to delete at least one entry from a list of shows previously
3 scheduled to be recorded by the media-based device.

1 32. The method of claim 21, wherein the instructions for the media-based
2 device are instructions to cancel at least one previous request to the media-based
3 device for recording specified shows.

1 33. A computer-implemented method for enabling a user to remotely control
2 his media-based device and to access related information, the method comprising:
3 at a pre-determined time, initiating at least one application program
4 interface routine to retrieve from at least one database data
5 concerning the media-based device, the at least one database being
6 in communication with the media-based device through a network;
7 storing the retrieved data;

8 after storing the retrieved data, receiving a user request from the user; and
9 in response to the user request, transmitting to the user information in
10 accordance with the retrieved data.

1 34. A computer-implemented method for enabling a user to remotely control
2 his media-based device and to access related information, the method comprising:
3 receiving a user request from the user;
4 storing the user request; and
5 at a pre-determined time, initiating at least one application program
6 interface routine based on the stored user request to store into at
7 least one database instructions for the media-based device, the at
8 least one database being in communication with the media-based
9 device through a network.

1 35. A computer-implemented method for enabling a user to remotely control
2 his media-based device and to access related information, the method comprising:
3 receiving at least one function call from a first network including a client
4 device for receiving a user request from the user; and
5 in response to the at least one function call, executing at least one
6 application program interface routine to retrieve from at least one
7 database data concerning the media-based device, the at least one
8 database being in communication with the media-based device
9 through a second network.

1 36. The method of claim 35, further comprising:

2 transmitting to the first network information in accordance with the
3 retrieved data.

1 37. The method of claim 35, wherein the first network further includes a
2 server for responding to the user request by making the at least one function call.

1 38. A computer-implemented method for enabling a user to remotely control
2 his media-based device and to access related information, the method comprising:
3 receiving at least one function call from a first network including a client
4 device for receiving a user request from the user; and
5 in response to the at least one function call, executing at least one
6 application program interface routine to store into at least one
7 database data concerning the media-based device, the at least one
8 database being in communication with the media-based device
9 through a second network.

1 39. The method of claim 38, further comprising:
2 transmitting to the first network information in accordance with the
3 retrieved data.

1 40. The method of claim 38, wherein the first network further includes a
2 server for responding to the user request by making the at least one function call.

1 41. A computer network system for enabling a user to remotely control his
2 media-based device and to access related information, the system comprising:

3 at least one database for storing data concerning the media-based device
4 obtained through a first network;
5 an application program interface including at least one application
6 program interface routine for retrieving from the at least one
7 database data concerning the media-based device; and
8 a triggering module for initiating the at least one application program
9 interface routine to retrieve data concerning the media-based
10 device from the at least one database in response to a function call
11 received through a second network.

1 42. The computer network system of claim 41, further comprising:
2 an output module for transmitting to the second network information in
3 accordance with the retrieved data.

1 43. The computer network system of claim 41, wherein the at least one
2 application program interface routine includes a get channel lineup routine for
3 retrieving from the at least one database a channel lineup corresponding to the
4 media-based device.

1 44. The system of claim 41, wherein the at least one application program
2 interface routine includes a get electronic program guide routine for retrieving
3 from the at least one database an electronic program guide corresponding to a
4 specified period of time.

1 45. The system of claim 41, wherein the at least one application program
2 interface routine includes a show guide routine for retrieving from the at least one
3 database a list of shows corresponding to at least one specified show attribute
4 value.

1 46. The system of claim 41, wherein the at least one application program
2 interface routine includes a show guide routine for retrieving from the at least one
3 database values of show attributes of a specified show.

1 47. The system of claim 41, wherein the at least one application program
2 interface routine includes a get replay guide routine for retrieving from the at least
3 one database a list of shows recorded by the media-based device.

1 48. The system of claim 41, wherein the at least one application program
2 interface routine includes a get replay guide routine for retrieving from the at least
3 one database a list of shows scheduled to be recorded by the media-based device.

1 49. The system of claim 41, wherein the at least one application program
2 interface routine includes a get replay guide routine for retrieving from the at least
3 one database a list of requests to the media-based device for recording specified
4 shows.

1 50. A computer network system for enabling a user to remotely control his
2 media-based device and to access related information, the system comprising:

3 at least one database for storing instructions for the media-based device
4 retrievable by the media-based device through a first network;
5 an application program interface including at least one application
6 program interface routine for storing into the at least one database
7 instructions for the media-based device; and
8 a triggering module for initiating the at least one application program
9 interface routine to store instructions for the media-based device
10 into the at least one database in response to a function call received
11 through a second network.

1 51. The system of claim 50, further comprising:
2 an output module for transmitting to the second network information in
3 accordance with the stored instructions.

1 52. The system of claim 50, wherein the at least one application program
2 interface routine includes an add request routine for storing into the at least one
3 database instructions to record at least one specified show.

1 53. The system of claim 50, wherein the at least one application program^o
2 interface routine includes an add request routine for storing into the at least one
3 database instructions to delete at least one specified show.

1 54. The system of claim 50, wherein the at least one application program
2 interface routine includes an add request routine for storing into the at least one

3 database instructions to delete at least one entry from a list of shows previously
4 scheduled to be recorded by the media-based device.

1 55. The system of claim 50, wherein the at least one application program
2 interface routine includes a delete request routine for storing into the at least one
3 database instructions to cancel at least one previous request to the media-based
4 device for recording specified shows.

1 56. A system for enabling a user to remotely control his media-based device
2 and to access related information, the system comprising:

3 database means for storing data concerning the media-based device

4 obtained through a first network;

5 retrieving means for retrieving from the database means data concerning
6 the media-based device; and

7 means for triggering the retrieving means to retrieve data concerning the

8 media-based device from the database means in response to a

9 function call received through a second network.

1 57. A system for enabling a user to remotely control his media-based device
2 and to access related information, the system comprising:

3 database means for storing instructions for the media-based device

4 retrievable by the media-based device through a first network;

5 storing means for storing into the database means instructions for the

6 media-based device; and

7 means for triggering the storing means to store instructions for the media-
8 based device into the database means in response to a function call
9 received through a second network.

1 58. A computer program product for enabling a user to remotely control his
2 media-based device and to access related information, comprising:
3 program code for retrieving from at least one database data concerning the
4 media-based device, in response to a function call received through
5 a network; and
6 program code for transmitting to the network information in accordance
7 with the retrieved data.

1 59. A computer program product for enabling a user to remotely control his
2 media-based device and to access related information, comprising:
3 program code for storing into the at least one database instructions for the
4 media-based device, in response to a function call received through
5 a network; and
6 program code for transmitting to the network information in accordance
7 with the stored instruction.